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RCRA RECORDS CENTER  
FACILITY *Liba Geigy Corp*  
I.D. NO. *RID001194323*  
FILE LOC. *R-5*  
OTHER \_\_\_\_\_

SAMPLING VISIT TRIP REPORT  
CIBA-GEIGY CORPORATION  
CRANSTON, RHODE ISLAND  
RCRA FACILITY ASSESSMENT

REC'D 8-14-87

Prepared for

U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Waste Programs Enforcement  
Washington, D.C. 20460

Work Assignment No.	: 265
EPA Region	: I
Facility I.D. No.	: RID001194323
Date Prepared	: August 11, 1987
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CDM Federal Programs	
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- Attachment A - Photographs taken at Ciba-Geigy, Cranston, Rhode Island, on June 11-12, 1987
- Attachment B - Chain-of-Custody Records, Organic Traffic Reports, Inorganic Traffic Report, SAS Packing List, Ciba-Geigy Corporation, Cranston, Rhode Island

## 1.0 INTRODUCTION

Versar Inc. received a work assignment (CDM WA No. 265) to assist U.S. EPA Region I by conducting a RCRA facility assessment (RFA) of the Ciba-Geigy Corporation chemical manufacturing plant in Cranston, Rhode Island. The RFA is designed to identify releases or potential releases of hazardous waste requiring further investigations, as necessary, under the RCRA Corrective Action Program. A preliminary RFA report, submitted in June 1987 to U.S. EPA Region I by Versar under the above referenced work assignment, described facility operations and waste handling activities, identified and evaluated the solid waste management units (SWMUs) onsite, and provided recommendations for further action at Ciba-Geigy including a sampling visit (SV) to complete the RFA.

Versar subsequently conducted a visual site inspection (VSI) of the facility to fill in any information gaps remaining after the preliminary review (PR) and to provide specific guidance in developing a sampling visit work plan. The sampling visit is used to fill in data gaps that remain after the completion of the PR and VSI by obtaining sampling and field data. This information is obtained by following the procedures and methods outlined in the SV work plan and is used to determine whether any releases identified warrant further investigations.

The Ciba-Geigy Corporation chemical manufacturing plant is located in a small industrial park area, among residential communities, in the southeast corner of Cranston, approximately 4.5 miles south of downtown Providence (Figure 1). The Ciba-Geigy plant straddles the Pawtuxet River, which is the boundary between the cities of Cranston and Warwick in this area. Ciba-Geigy has 6.8 acres in Cranston which have been used for production, laboratory and pilot plant facilities, and another 5.8 acres which were occupied by a biological wastewater treatment plant. In addition to the property in Cranston, Ciba-Geigy has 27.5 acres in Warwick which have been minimally developed and utilized for cafeteria, locker room, engineering and maintenance facilities, as well as raw material and hazardous waste drum storage.

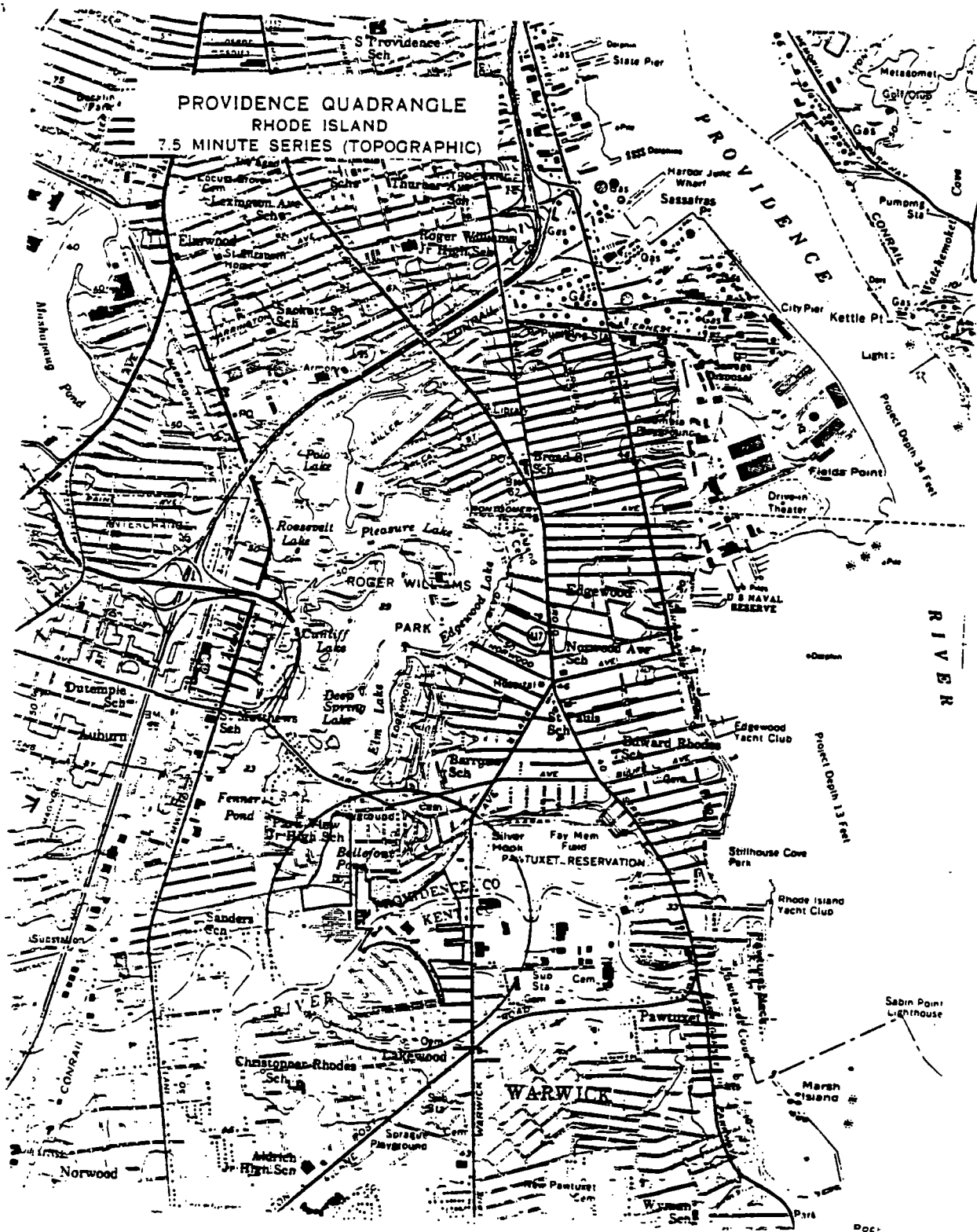


FIGURE 1  
GENERAL LOCATION MAP, CIBA-GEIGY CORP.,  
CRANSTON, RHODE ISLAND

Ciba-Geigy was permitted to operate as a hazardous waste storage facility under RCRA (EPA ID Number RI D001194323) since 1982 following an interim status. During facility operations numerous hazardous waste streams were generated as part of the batch processes which produced a variety of fine organic chemicals and pharmaceutical products. Chemical manufacturing at the plant site was maintained from 1930 to the present by both Ciba-Geigy and predecessors. As of May 1986 all chemical manufacturing operations at the Ciba-Geigy Cranston plant had ceased. Ciba-Geigy is currently in the process of closing and dismantling the plant.

Table 1 lists the sampling locations and collection times for all samples obtained during the sampling visit. Figure 2 shows the sample locations. All samples collected by Versar were split with Malcolm Pirnie, Inc. of Paramus, New Jersey, environmental consultants for Ciba-Geigy. In addition to Malcolm Pirnie personnel, Versar was accompanied by Mr. William Goff, plant supervisor, during the entire sampling visit.

All ground-water sampling locations and SWMU areas were monitored for organic vapors during the sampling visit using a HNu photoionization unit. No detectable readings, above background, were recorded in the ambient air for all locations where samples were obtained. Instantaneous readings taken within the ground-water pipes to be sampled immediately upon opening did, however, indicate the possible presence of organic vapors above background levels. The locations monitored and the levels detected are listed in Table 2.

HNu readings recorded during the SV are compared to TIP (total ionizables present) readings recorded during the VSI conducted on Friday, May 8, 1987. In general the levels detected are of the same order of magnitude indicating the relative presence of photoionizable constituents within each pipe casing. Deviations in precise readings can be attributable to the relative response of both instruments assuming similar calibrations and similar subsurface concentrations during both

TABLE 1  
SAMPLE LOCATIONS AND COLLECTION TIMES, CIBA-GEIGY,  
CRANSTON, RHODE ISLAND, JUNE 11-12, 1987

Sample Location	Number of Samples	Collection Times (hours)	Date	Sample Matrix
<b>Main Tank Farm:</b>				
SS1, SS2, SS1A	2	1815, 1615 1815	6/11/87	Subsurface soil, grab Subsurface soil, duplicate
<b>Silt Pile:</b>				
SS3	1	0800	6/11/87	Surface soil, composite
<b>Monitoring Pipes:</b>				
GW1, GW2, GW3, GW4 GW5, GW6, GW8	7	1715, 1600, 1330, 1130, 1430, 0945, 0845	6/11/87	Groundwater, grab
GW2A	1	1600	6/11/87	Groundwater, duplicate
EB1	1	1330	6/11/87	Equipment blank
<b>Pawtuxet River:</b>				
SD3	1	1245	6/11/87	Sediment, grab
SD1, SD2, SD4	4	1055, 1130, 1150	6/12/87	Sediment, grab
<b>Background:</b>				
BG1	1	1650	6/11/87	Surface soil, grab

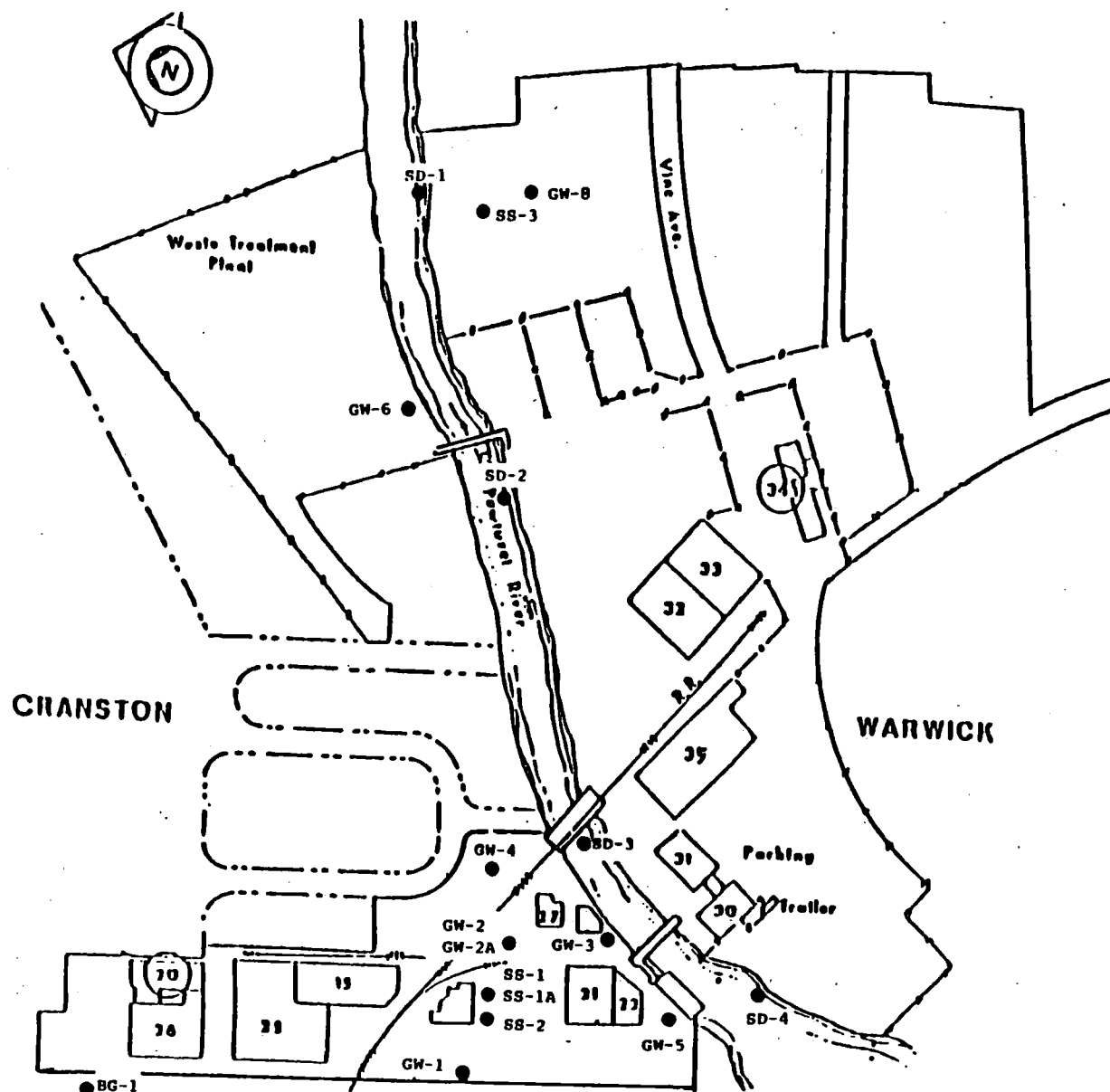


FIGURE 2  
 SAMPLING LOCATIONS CIBA-GEIGY CORP.,  
 CRANSTON, RHODE ISLAND  
 June 11-12, 1987

TABLE 2  
GROUND WATER PIPE VAPOR SPACE READINGS  
HNu (SAMPLING VISIT) vs. TIP (Visual Site Inspection)  
CIBA-GEIGY CORPORATION, CRANSTON, RHODE ISLAND

Sampling Location	HNu June 11, 1987	TIP May 8, 1987
GW-1	8 ppm	25-40 ppm
GW-2	2 ppm	b
GW-3	20 ppm	50-100 ppm
GW-4	1 ppm	5 ppm
GW-5	16 ppm	75-90 ppm
GW-6	2 ppm	b
GW-7	3 ppm <sup>a</sup>	7 ppm
GW-8	2 ppm	8 ppm

a - pipe did not contain water  
b - not monitored during VSI



the SV and VSI. The HNu unit used during the SV contained an 11.7 electron volt (ev) lamp which encompasses the detection of a wider range of organic vapors but lacks sensitivity for those compounds whose photoionization potential is much less than 11.7 ev such as toluene and xylene. The TIP unit used during the VSI contained a 10.2 ev lamp which spans a narrower range of photoionizable constituents with a greater sensitivity to compounds which fall into that range. In either case the readings recorded are qualitative values which consistently reveal the relative presence of organic vapors in each pipe location for each instrument utilized.

Photographs of the facility were obtained during the sampling visit (Attachment A) to further document site conditions and sampling activities. At the time of the sampling visit major demolition efforts were being undertaken by Ciba-Geigy in the former production area of the plant. Conditions throughout the rest of the plant remained virtually unchanged since the visual site inspection conducted on May 8, 1987. Visual evidence of releases from the facility was not readily apparent at locations around the plant.

## 2.0 SUMMARY OF SITE ACTIVITIES

On Thursday, June 11, 1987, Dennis Giustra, chemical engineer, and Dave Dolak, monitoring specialist, for Versar Inc., traveled to the Ciba-Geigy Cranston plant in order to conduct the sampling visit. A total of 18 environmental samples including QA/QC samples, was collected (9 ground water, 2 surface soil, 3 subsurface soil, and 4 sediment) during the SV which extended until Friday, June 12, 1987. Samples for organic analyses were sent to Toxicon, Inc., Baton Rouge, Louisiana. Samples for inorganic analyses were sent to Cambridge Analytical Services, Boston, Massachusetts. Additionally dioxin and furan analysis of two sediment samples was provided by Cal Analytical Lab, West Sacramento, California. Attachment B contains all organic traffic reports, inorganic traffic reports, SAS packing list, and chain-of-custody records for these samples.

All samples were obtained in general accordance with procedures outlined in the sampling visit work plan submitted by Versar under WA No. 265 on June 5, 1987. Versar arrived onsite at approximately 0700 hours and met briefly with Ciba-Geigy and Malcolm Pirnie personnel to outline the sampling visit approach. Samples were collected from 0800 hours throughout the day until approximately 1815 hours. Frank Battaglia, U.S. EPA primary contact, arrived onsite around 1100 hours and remained onsite to assist in sampling for the rest of the day. A meeting between Ciba-Geigy, EPA, Versar, and Malcolm Pirnie was held at mid-day on Thursday to discuss any problems encountered, answer questions, and inform Ciba-Geigy of the status of the RFA. Three final river sediment samples were collected on Friday, June 12, 1987, to complete the sampling visit.

### 3.0 PROBLEMS AND RESOLUTIONS

Problems encountered during the sampling visit involved principally the collection of ground water and river sediment samples. Prior to the sampling visit Malcolm Pirnie had informed Versar that some of the ground-water locations to be sampled were no longer accessible due to demolition activities at the site. Once onsite Versar discovered that only one sampling location, GW-2, located in the southwest corner of the former production area had been demolished. To compensate for the loss of this sampling location, ground-water sample, GW-2, was obtained from another ground-water pipe located near the middle of the production area. Ground-water sample, GW-7, located near the zinc oxide pile on the Warwick side of the facility had to be deleted since the ground-water pipe had silted in and did not contain any water.

During the collection of the initial ground-water sample, GW-8, a three-quarter inch teflon bailer was used to purge water from the pipe. The use of the bailer resulted in a mixing of water with silt in the bottom of the pipe. In order to alleviate this mixing and retrieve water from the pipe in a more efficient fashion a peristaltic pump (ISCO Wastewater Sampler Model 2100) with silicon tubing was used. Use of the pump resulted in a constant flow of ground water due to good recharge in the area, ease of collection, and the collection of a relatively clear, unmixed sample suitable for all analytical parameters. The pump was subsequently used at all ground-water sampling locations changing the silicon tubing between each location to prevent contamination.

The problems encountered while collecting river sediment samples involved both sampling locations and method of collection. One sample, SD-3, was collected using an Ekman dredge from the vehicular bridge across the Pawtuxet River at the facility. This sample location was acceptable but the method of collection awkward.

In order to provide for ease of collection the remaining three sediment samples were collected by wading into the river and scooping sediment from the river bottom using a handmade stainless steel, sediment sampler. This method of sample collection was discussed with and approved by the EPA primary contact, Frank Battaglia. Mr. Battaglia, however, was not onsite while these samples were being collected. Samples obtained in this fashion were approximately 10 feet from the river bank at a depth of 6-12 inches within the sediment. These sediment samples were all collected from the Warwick side of the river. Attempts along the Cranston side near the wastewater treatment outfall resulted in the inability to collect sediment since the river bottom accessible by Versar contained mostly rip-rap from the construction of the river bank by Ciba-Geigy.

Sediment sample, SD-1, was collected from a location downgradient of the wastewater treatment outfall as outlined in the SV work plan. Sample SD-2 was moved downstream near the waste treatment plant bridge. Sample SD-3 was taken downgradient of the plant's original wastewater coffer dam outfall which was found to be located where silt comprising the former silt pile had been dredged from the river between the two upstream facility bridges. Finally sample SD-4 was taken upstream of the facility as originally outlined.

#### 4.0 CONCLUSIONS

The sampling visit conducted by Versar on June 11-12, 1987, was the final step in the RFA process for the Ciba-Geigy Corporation facility in Cranston, Rhode Island. During the SV, environmental samples and field data were collected to fill in data gaps and potentially provide evidence of previously unidentified releases. Potential contaminant migration pathways and environmental receptors from the site were noted. The information obtained prior to and during the SV, together with validated analytical data received from U.S. EPA Region I, will be used to make release determinations and provide recommendations for each SWMU at Ciba-Geigy. A draft final RFA report will be prepared documenting the activities undertaken during the RFA and will include conclusion and final RFA recommendations for further action at the Ciba-Geigy Cranston plant.

ATTACHMENT A

FIGURE A  
 LOCATIONS FROM WHERE PHOTOGRAPHS WERE TAKEN  
 CIBA-GEIGY CORP., SAMPLE VISIT, JUNE 11-12, 1987

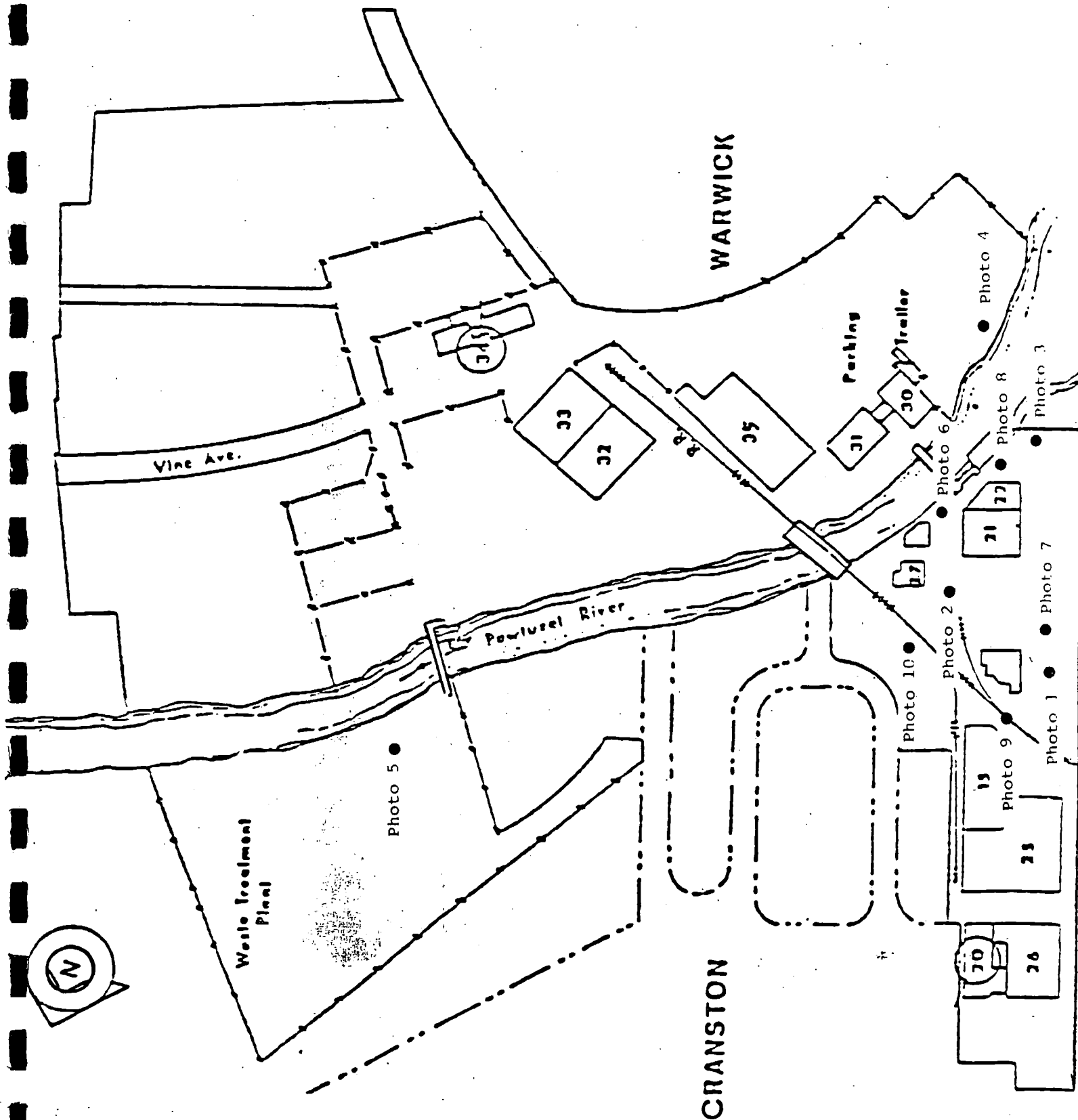




PHOTO 1

Subject: Building 21/22 demolition looking south.  
Location: Ciba-Geigy, Cranston, Rhode Island  
Date: June 11, 1987



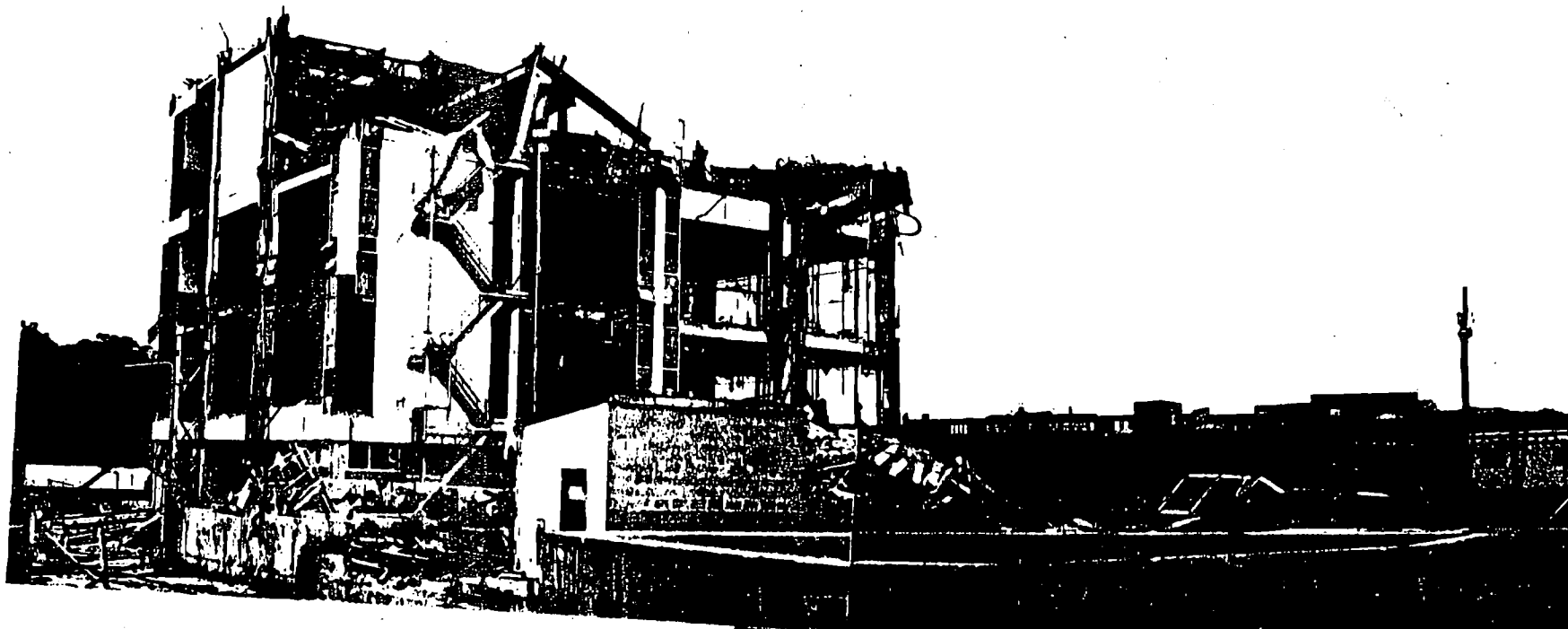


PHOTO 2

Subject: Building 21/22 demolition looking southwest.  
Location: Ciba-Geigy, Cranston, Rhode Island  
Date: June 11, 1987



PHOTO 3

Subject: Collecting purge water from ground water sampling location  
on site.  
Location: Ciba-Geigy, Cranston, Rhode Island  
Date: June 11, 1987

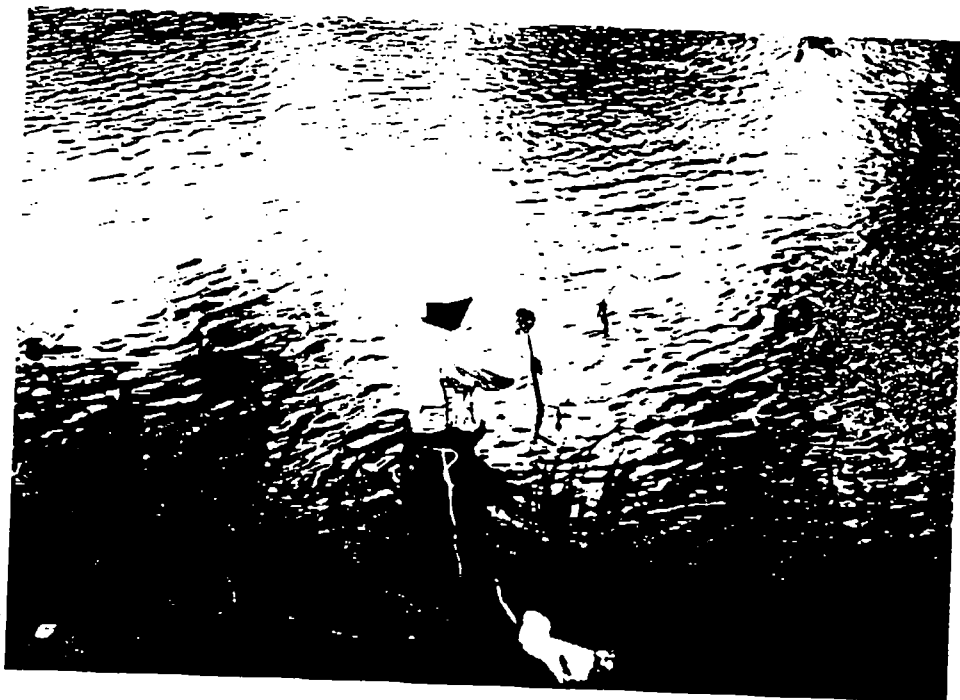


PHOTO 4

Subject: Collecting sediment sample from Pawtuxet River on Warwick  
side of facility.  
Location: Ciba-Geigy, Warwick, Rhode Island  
Date: June 12, 1987



PHOTO 5

Subject: Collecting ground water sample for metals analyses from  
location at the former wastewater treatment plant on site.  
Location: Ciba-Geigy, Cranston, Rhode Island  
Date: June 11, 1987

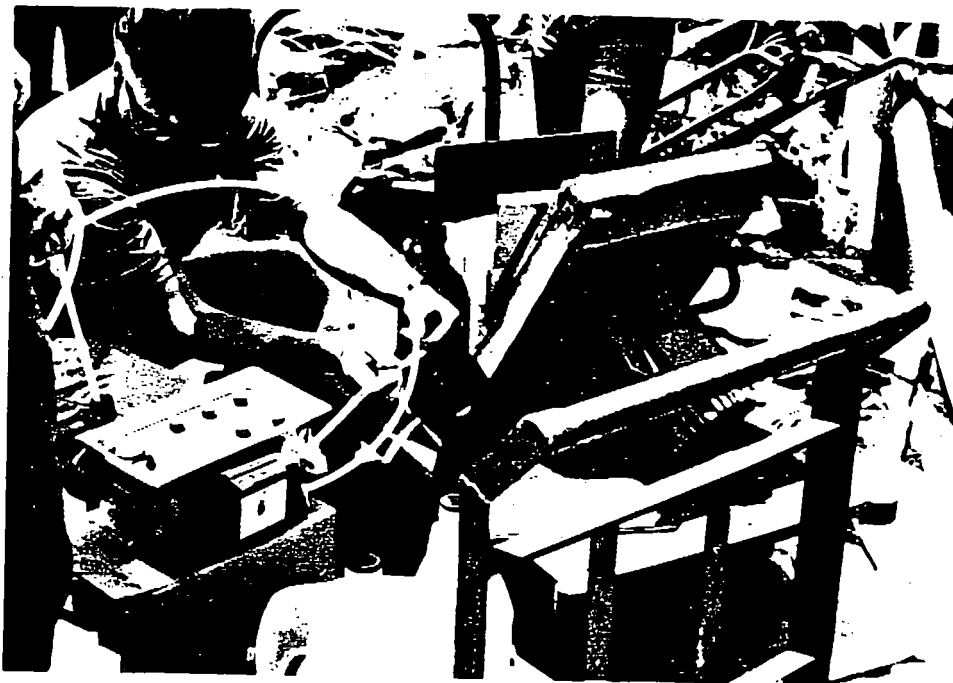


PHOTO 6

Subject: Malcolm Pirnie personnel collecting split ground water  
Location: water sample during Ciba-Geigy sampling visit.  
Date: Ciba-Geigy, Cranston, Rhode Island  
June 11, 1987

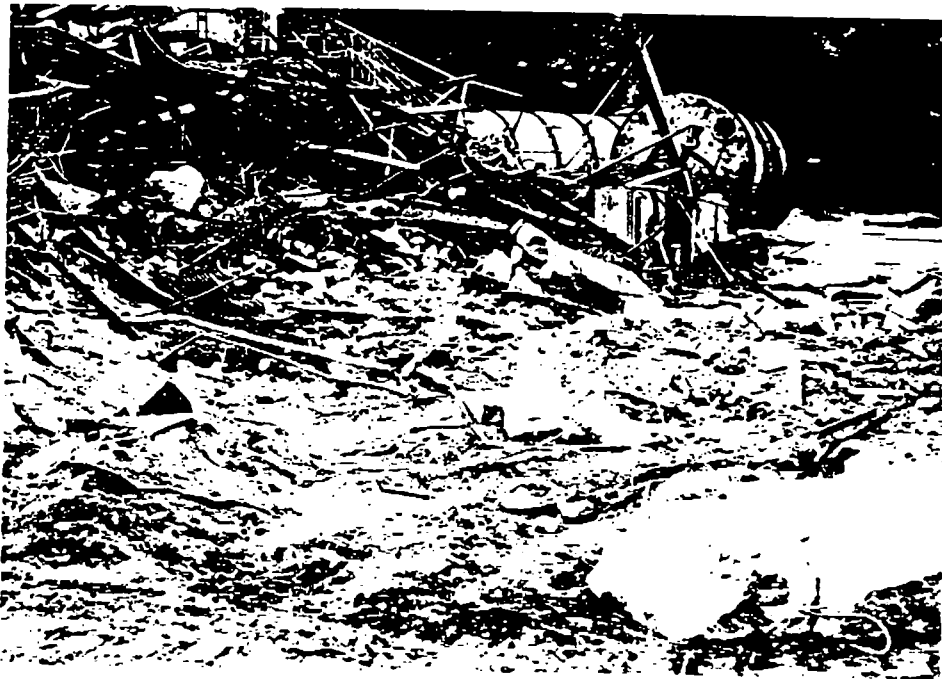


PHOTO 7

Subject: General location of subsurface soil samples, SS-1, SS-2,  
adjacent to former main tank farm, looking east.  
Location: Ciba-Geigy, Cranston, Rhode Island.  
Date: June 11, 1987



PHOTO 8

Subject: Location of groundwater sample, GW-5, near over-the-river  
tank farm, looking southwest.  
Location: Ciba-Geigy, Cranston, Rhode Island  
Date: June 11, 1987



PHOTO 9

Subject: View of former main tank farm (foreground) and production  
Location: building 21/22 (background) looking south.  
Date: Ciba-Geigy, Cranston, Rhode Island  
June 11, 1987



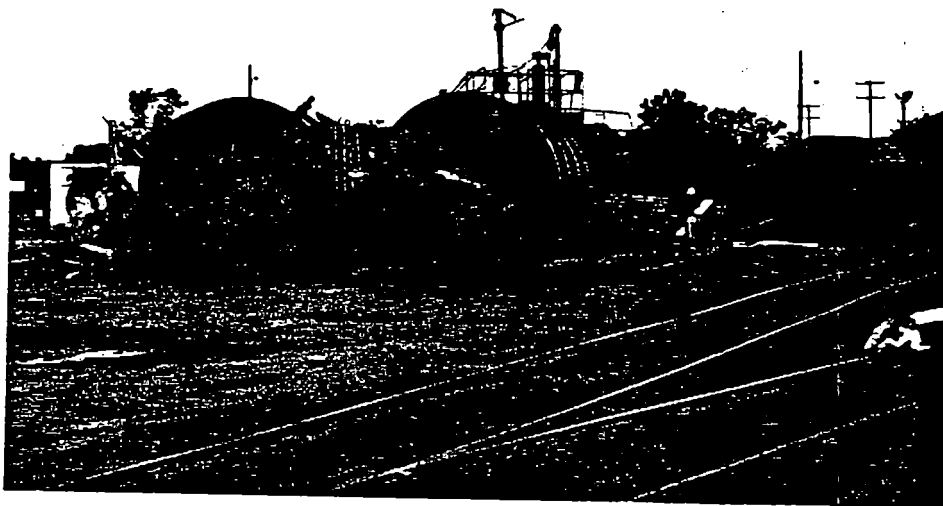


PHOTO 10

Subject: Bulk storage tanks recently removed from main tank farm  
looking west.  
Location: Ciba-Geigy, Cranston, Rhode Island  
Date: June 11, 1987

ATTACHMENT B

CHAIN OF CUSTODY RECORD

PROJ. NO. 44		PROJECT NAME CIBA-GIEGY		NO. OF CONTAINERS		VOA B/N/A PESTICIDES RBS					REMARKS									
SAMPLERS: (Signature) Dennis P. Justus																				
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION															
GW2	6/11/87	1600		X		6	X	X	X	X				AH649	8245	8246	8247	8248	8249	8250
GW1		1715				6	X	X	X	X				AH652	8239	8240	8241	8242	8243	8244
GW2A		1600			DUPLICATE OF GW2	6	X	X	X	X				AH651	8233	8234	8235	8236	8237	8238
ED1		1330			EQUIPMENT BLANK	6	X	X	X	X				AH645	8227	8228	8229	8230	8231	8232
GW3		1330				6	X	X	X	X				AH647	8221	8222	8223	8224	8225	8226
GW5		1430				6	X	X	X	X				AH648	8215	8216	8217	8218	8219	8220
GW8		0845				6	X	X						AH641	8209	8210	8211	8212	8213	8214
GW4		1130				6	X	X	X	X				AH644	8203	8204	8205	8206	8207	8208
GW6	6/11/87	0945				6	X	X						AH643	8202	8201	8253	8254	8255	8256
SD1	6/12/87	1055		X	DOWNSTREAM SEDIMENT	3	X	X	X	X				AH658	8257	8258	8259			
SD2	6/12/87	1130				3	X	X	X	X				AH657	8260	8261	8262			
SD4	6/12/87	1150			UPSTREAM SEDIMENT	3	X	X	X	X				AH656	8263	8264	8265			
BG1	6/11/87	1650			BACKGROUND	3	X	X	X	X				AH653	8267	8268	8269			
SD3	6/11/87	1245				3	X	X	X	X				AH650	8270	8271	8272			
SS1	6/11/87	1815		X	SUBSURFACE SOIL	3	X	X	X	X				AH655	8273	8274	8275			
Relinquished by: (Signature) Dennis P. Justus		Date / Time 6/12/87 1700		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)		Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)		Date / Time		Remarks												

**Distribution:** Original Accompanies Shipment; Copy to Coordinator Field Files



## ORGANICS TRAFFIC REPORT

<b>① Case Number:</b> 7410		<b>② SAMPLE CONCENTRATION</b> (Check One) <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> Medium Concentration		<b>④ Ship To:</b> TOXICON INC BATON ROUGE, LA Attn: LEE K DD	
<b>Sample Site Name/Code:</b> CIBA-GEIGY		<b>③ SAMPLE MATRIX</b> (Check One) <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil/Sediment		<b>Transfer</b> <b>Ship To:</b>	
<b>⑤ Regional Office:</b> VPM		<b>⑥ For each sample collected specify number of containers used and mark volume level on each bottle.</b>			
<b>Sampling Personnel:</b> D. G. [Signature] (Name) 703-950-3000 (Phone)					
<b>Sampling Date:</b> 6/12 (Begin)      6/12 (End)		<b>Number of Containers</b>		<b>Approximate Total Volume</b>	
<b>⑦ Shipping Information</b> Fed Ex Name of Carrier 6/12/81 Date Shipped: 2832004442 Airbill Number:		Water (Extractable)			
		Water (VOA)			
		Soil/Sediment (Extractable)	1	8 oz	
		Soil/Sediment (VOA)	2	8 oz	
		Other			
<b>⑧ Sample Description</b> <input type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Leachate <input checked="" type="checkbox"/> Mixed Media <input checked="" type="checkbox"/> Solids <input type="checkbox"/> Other (specify) _____		<b>⑨ Sample Location</b>			
<b>⑩ Special Handling Instructions:</b> (e.g., safety precautions, hazardous nature)					



## ORGANICS TRAFFIC REPORT

AP 557

## ① Case Number:

7410

Sample Site Name/Code

CIBA - GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC.  
BATON ROUGE, LA

Attn: LEE K. ROO

Transfer

Ship To:

## ⑤ Regional Office: VERSA

Sampling Personnel:

D. G. Smith

(Name)

703-550-3000

(Phone)

Sampling Date:

6/12

(Begin)

6/12

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)	1	8 oz
Soil/Sediment (VOA)	2	8 oz.
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☐ Surface Water ☐ Mixed Media☐ Ground Water ☒ Solids☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

AH 656

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

DIXICON INC  
BATON ROUGE, LA

Attn:

LEE KIDD

Transfer

Ship To:

## ⑤ Regional Office: VERMONT

Sampling Personnel:

D. Justa

(Name)

703-450-3000

(Phone)

Sampling Date:

6/12

6/12

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

Number of  
ContainersApproximate  
Total VolumeWater  
(Extractable)Water  
(VOA)Soil/Sediment  
(Extractable)Soil/Sediment  
(VOA)

Other

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☐ Surface Water☐ Mixed Media☐ Ground Water☒ Solids☐ Leachate☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC.  
BATON ROUGE, LA

Attn: LEE KIDD

Transfer

Ship To:

## ⑤ Regional Office: VERBA

Sampling Personnel:

D. Justa

703-650-3000

(Phone)

Sampling Date:

6/11 6/11

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	80 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/81

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☒ Surface Water ☐ Mixed Media☒ Ground Water ☐ Solids☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)





## ORGANICS TRAFFIC REPORT

## ① Case Number:

7110

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC.  
BATON ROUGE, LA

Attn: LEE KIDD

Transfer

Ship To:

## ⑤ Regional Office: VERSA

Sampling Personnel:

D. Justa

703-550-3000

(Phone)

Sampling Date:

6/11

6/14

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	50 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/81

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☒ Surface Water ☐ Mixed Media  
☒ Ground Water ☐ Solids  
☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC.  
BATON ROUGE, LA

Attn: LEE KIDD

Transfer  
Ship To:

## ⑤ Regional Office: VEDSA

Sampling Personnel:

D. Gustin

(Name)

703-150-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	80 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☒ Surface Water ☐ Mixed Media  
☒ Ground Water ☐ Solids  
☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

<b>① Case Number:</b> 710		<b>② SAMPLE CONCENTRATION</b> (Check One) <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> Medium Concentration		<b>④ Ship To:</b> TOXICON INC BATON ROUGE, LA Attn: LEE K. DODD Transfer Ship To:																												
<b>Sample Site Name/Code:</b> CIBA-GEIGY		<b>③ SAMPLE MATRIX</b> (Check One) <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil/Sediment																														
<b>⑤ Regional Office:</b> VERMONT <b>Sampling Personnel:</b> D. Justin (Name) 703-650-3000 (Phone) <b>Sampling Date:</b> 6/11 (Begin) 6/14 (End)		<b>⑥ For each sample collected specify number of containers used and mark volume level on each bottle.</b> <table border="1"><thead><tr><th></th><th>Number of Containers</th><th>Approximate Total Volume</th></tr></thead><tbody><tr><td>Water (Extractable)</td><td>4</td><td>4 liters</td></tr><tr><td>Water (VOA)</td><td>2</td><td>80 ml</td></tr><tr><td>Soil/Sediment (Extractable)</td><td></td><td></td></tr><tr><td>Soil/Sediment (VOA)</td><td></td><td></td></tr><tr><td>Other</td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></tbody></table>					Number of Containers	Approximate Total Volume	Water (Extractable)	4	4 liters	Water (VOA)	2	80 ml	Soil/Sediment (Extractable)			Soil/Sediment (VOA)			Other											
	Number of Containers	Approximate Total Volume																														
Water (Extractable)	4	4 liters																														
Water (VOA)	2	80 ml																														
Soil/Sediment (Extractable)																																
Soil/Sediment (VOA)																																
Other																																
<b>⑦ Shipping Information</b> FED EX Name of Carrier 6/12/81 Date Shipped: 2832004442 Airbill Number:																																
<b>⑧ Sample Description</b> <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Mixed Media <input checked="" type="checkbox"/> Ground Water <input type="checkbox"/> Solids <input type="checkbox"/> Leachate <input type="checkbox"/> Other (specify) _____		<b>⑨ Sample Location</b>																														
<b>⑩ Special Handling Instructions:</b> (e.g., safety precautions, hazardous nature)																																



## ORGANICS TRAFFIC REPORT

① Case Number:

7410

Sample Site Name/Code:

CBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

④ Ship To:

TOXICON INC  
BATON ROUGE, LA

Attn: LEO K. MOO

Transfer

Ship To:

⑤ Regional Office: VERSM

Sampling Personnel:

D. Justa

(Name)

703-650-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	80 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

⑧ Sample Description

☐ Surface Water ☐ Mixed Media☒ Ground Water ☐ Solids☐ Leachate ☐ Other (specify) \_\_\_\_\_

⑨ Sample Location

⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)



Low Concentration



Medium Concentration

## ③ SAMPLE MATRIX

(Check One)



Water



Soil/Sediment

## ④ Ship To:

TOXICON INC  
BATON ROUGE, LA

Attn: LEE KIDD

Transfer

Ship To:

## ⑤ Regional Office: VERMONT

Sampling Personnel:

D. J. J. J.

(Name)

703-950-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	80 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☐ Surface Water ☐ Mixed Media☒ Ground Water ☐ Solids☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)



Low Concentration



Medium Concentration

## ③ SAMPLE MATRIX

(Check One)



Water



Soil/Sediment

## ④ Ship To:

TOXICON INC  
BATON ROUGE, LA

Attn: LEE KIM

Transfer

Ship To:

## ⑤ Regional Office: VERSAR

Sampling Personnel:

D. G. Smith

(Name)

703-650-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)	1	8 oz.
Soil/Sediment (VOA)	2	8 oz.
Other		

## ⑦ Shipping Information

Fed Ex

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☐ Surface Water ☐ Mixed Media☐ Ground Water ☒ Solids☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)

**ORGANICS TRAFFIC REPORT****① Case Number:**

7470

Sample Site Name/Code:

CIBA-GEIGY

**② SAMPLE CONCENTRATION**

(Check One)

☒ Low Concentration  
☐ Medium Concentration**③ SAMPLE MATRIX**

(Check One)

☒ Water  
☐ Soil/Sediment**④ Ship To:**TOXICON INC  
BATON ROUGE, LA

Attn: LEE KODD

Transfer

Ship To:

**⑤ Regional Office: VERMONT**

Sampling Personnel:

D. G. J. [Signature]

(Name)

703-450-3000

(Phone)

Sampling Date:

6/11

6/14

(Begin)

(End)

**⑥ For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	20 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

**⑦ Shipping Information**

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

**⑧ Sample Description**

☒ Surface Water ☐ Mixed Media  
☒ Ground Water ☐ Solids  
☐ Leachate ☐ Other (specify) \_\_\_\_\_

**⑨ Sample Location****⑩ Special Handling Instructions:**

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC  
BATON ROUGE, LA

Attn: LEE KIDD

Transfer

Ship To:

## ⑤ Regional Office: KLSAL

Sampling Personnel:

D. Justus

703-750-3000

(Phone)

Sampling Date:

6/1

6/11

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

Number of Containers

Approximate Total Volume

Water (Extractable)

Water (VOA)

Soil/Sediment (Extractable)

Soil/Sediment (VOA)

Other

1

2

80z.

80z.

## ⑦ Shipping Information

Fed Ex

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

☐ Surface Water☐ Ground Water☐ Leachate☐ Mixed Media☒ Solids☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)





## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC  
BATON ROUGE, LA

Attn: LEE KDD

Transfer

Ship To:

## ⑤ Regional Office: VELSMA

Sampling Personnel:

D. J. J. J.

(Name)

750-3000

(Phone)

Sampling Date:

6/11

(Begin)

6/11

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 liters
Water (VOA)	2	80 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832504442

Airbill Number:

## ⑧ Sample Description

☒ Surface Water ☐ Mixed Media☒ Ground Water ☐ Solids☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

7410

Sample Site Name/Code:

CBA-GEIGY

## ② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

## ③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

## ④ Ship To:

TOXICON INC  
BATON ROUGE, LA

Attn: LEE KOD

Transfer

Ship To:

## ⑤ Regional Office: VERM

Sampling Personnel:

D. J. Smith

(Name)

703-550-3000

(Phone)

Sampling Date:

6/11

6/14

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)	1	8 oz.
Soil/Sediment (VOA)	2	8 oz.
Other		

## ⑦ Shipping Information

FED EX

Name of Carrier

6/12/81

Date Shipped:

283204442

Airbill Number:

## ⑧ Sample Description

☐ Surface Water ☒ Mixed Media  
☐ Ground Water ☒ Solids  
☐ Leachate ☐ Other (specify) \_\_\_\_\_

## ⑨ Sample Location

## ⑩ Special Handling Instructions:

(e.g., safety precautions, hazardous nature)



## ORGANICS TRAFFIC REPORT

## ① Case Number:

710

Sample Site Name/Code:

CIRA-GEISY

## ② SAMPLE CONCENTRATION

(Check One)



Low Concentration

Medium Concentration

## ③ SAMPLE MATRIX

(Check One)



Water

Soil/Sediment

## ④ Ship To:

TOXCON INC

BROWN ROUGE, LA

Attn: LEE KAD

Transfer

Ship To:

## ⑤ Regional Office: VERM

Sampling Personnel:

D. Justen

(Name)

703 550-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

## ⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

	Number of Containers	Approximate Total Volume
Water (Extractable)	4	4 Ltr
Water (VOA)	2	80 ml
Soil/Sediment (Extractable)		
Soil/Sediment (VOA)		
Other		

## ⑦ Shipping Information

Fed Ex

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number:

## ⑧ Sample Description

Surface Water

Mixed Media



Ground Water

Solids

Leachate

Other (specify)

## ⑨ Special Handling Instructions

(e.g., safety precautions, hazardous nature)

## ⑩ Sample Location



## ORGANICS TRAFFIC REPORT

<b>① Case Number:</b> 7410		<b>② SAMPLE CONCENTRATION</b> (Check One) <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> Medium Concentration		<b>④ Ship To:</b> TOXICOW INC BATON ROUGE, LA Attn: LEE KROD	
<b>Sample Site Name/Code:</b> CIRA-GE16Y		<b>③ SAMPLE MATRIX</b> (Check One) <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil/Sediment		<b>Transfer</b> <b>Ship To:</b>	
<b>⑤ Regional Office:</b> VERSAR <b>Sampling Personnel:</b> D. Justice (Name) 703-550-3000 (Phone) <b>Sampling Date:</b> 6/11 (Begin) 6/11 (End)		<b>⑥ For each sample collected specify number of containers used and mark volume level on each bottle.</b>			
				<b>Number of Containers</b>	<b>Approximate Total Volume</b>
		Water (Extractable)			
		Water (VOA)			
<b>⑦ Shipping Information</b> FED EX Name of Carrier 6/12/87 Date Shipped: 2832004442 Airbill Number:		Soil/Sediment (Extractable)	1	8 oz	
		Soil/Sediment (VOA)	2	8 oz	
		Other			
<b>⑧ Sample Description</b> <input type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Leachate <input checked="" type="checkbox"/> Mixed Media <input checked="" type="checkbox"/> Solids Other (specify) 5430		<b>⑨ Sample Location</b>			
<b>⑩ Special Handling Instructions</b> (e.g., safety precautions, hazardous nature)					

**ORGANICS TRAFFIC REPORT****① Case Number:**

7410

Sample Site Name/Code

CIBA-GEIGY

**② SAMPLE CONCENTRATION**

(Check One)



Low Concentration

Medium Concentration

**③ SAMPLE MATRIX**

(Check One)



Water

Soil/Sediment

**④ Ship To:**TOXICON INC  
BATON ROUGE LA

Attn: LEE KIDD

Transfer

Ship To:

**⑤ Regional Office:** VERSA

Sampling Personnel:

D. J. J. J.

(Name)

703 750-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

**⑥ For each sample collected specify number of containers used and mark volume level on each bottle.**

	Number of Containers	Approximate Total Volume
Water (Extractable)		
Water (VOA)		
Soil/Sediment (Extractable)	1	802.
Soil/Sediment (VOA)	2	802.
Other		

**⑦ Shipping Information**

Fed Ex

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number

**⑧ Sample Description**

Surface Water Mixed Media

Ground Water ☒ Solids

Leachate Other (specify)

BO 201818

**⑨ Sample Location****⑩ Special Handling Instructions**

(e.g., safety precautions, temperature)



## ORGANICS TRAFFIC REPORT

Sample Number  
AB 155

① Case Number:

7410

Sample Site Name/Code:

CIBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water☐ Soil/Sediment

④ Ship To:

TOXICON INC

BATON ROUGE, LA

Attn: LEE KAD

Transfer

Ship To:

⑤ Regional Office: VERSAR

Sampling Personnel:

D. Justa

(Name)

703-50-3000

(Phone)

Sampling Date:

6/11

6/11

(Begin)

(End)

⑥ For each sample collected specify number of containers used and mark volume level on each bottle.

Number of Containers

Approximate Total Volume

Water (Extractable)

Water (VOA)

Soil/Sediment (Extractable)

Soil/Sediment (VOA)

Other

⑦ Shipping Information

FED EX

Name of Carrier

6/12/87

Date Shipped:

2832004442

Airbill Number

⑧ Sample Description

☐ Surface Water☐ Mixed Media☐ Ground Water☒ Solids☐ Leachate☐ Other (specify)

⑨ Sample Location

⑩ Special Handling Instructions

(e.g., safety precautions, hazardous nature)

## CHAIN OF CUSTODY RECORD

[illegible]

U.S. ENVIRONMENTAL PROTECTION AGENCY  
CLP Sample Management Office  
P.O. Box 818 - Alexandria, Virginia 22313  
Phone: 703/557-2490 - FTS/557-2490

SAS Number  
**3020-A**

**SPECIAL ANALYTICAL SERVICE  
PACKING LIST**

Sampling Office: <u>VERSAK</u>	Sampling Date(s): <u>6/12/87</u>	Ship To: <u>CAL ANALYTICAL LAB</u> <u>2544 INDUSTRIAL BLVD</u> <u>W. SACRAMENTO, CA</u> <u>95691</u>	For Lab Use Only
Sampling Contact: <u>DENNIS GIUSTRA</u> (name)	Date Shipped: <u>6/12/87</u>	Attn:	Date Samples Rec'd:
<u>703-750-3000</u> (phone)	Site Name/Code: <u>CIBA-GEIGY</u>		Received By:

Sample Numbers	Sample Description i.e., Analysis, Matrix, Concentration	Sample Condition on Receipt at Lab
1. <u>3020A-01</u>	<u>DIOXIN/FURAN, SEDIMENT, LOW</u>	
2. <u>3020A-02</u>	<u>DIOXIN/FURAN, SEDIMENT, LOW</u>	
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____
11. _____	_____	_____
12. _____	_____	_____
13. _____	_____	_____
14. _____	_____	_____
15. _____	_____	_____
16. _____	_____	_____
17. _____	_____	_____
18. _____	_____	_____
19. _____	_____	_____
20. _____	_____	_____

For Lab Use Only

White - SMO Copy, Yellow - Region Copy, Pink - Lab Copy for return to SMO, Gold - Lab Copy



CHAIN OF CUSTODY RECORD

PROJECT NO.		PROJECT NAME		NO. OF CONTAINERS		TOTAL METALS						REMARKS			
44		CIBA-GEIGY													
SAMPLERS: (Print Name)				Dennis P. Justus											
STA. NO.	DATE	TIME	COMP	LAB	STATION LOCATION										
SS3	6/11/87	0800	X			1	X						MAD061	83004	
SD4	6/12/87	1145		X		1	X						MAD153	8299	
BS1	6/11/87	1650		X	BACKGROUND	1	X						MAD150	8298	
SD3	6/11/87	1245				1	X						MAD066	8297	
SD2	6/11/87	1130				1	X						MAD151	8296	
SD1	6/12/87	1055				1	X						MAD152	8295	
GL4	6/11/87	1130				1	X						MAD064	8294	
GL5		1130				1	X						MAD068	8293	
GL2		1600				1	X						MAD069	8292	
GL1		1330			EQUIPMENT BLANK	1	X						MAD065	8291	
GL8		1335				1	X						MAD062	8290	
GL3		1330				1	X						MAD067	8289	
GL6		1015				1	X						MAD063	8288	
GL7		1000			DUPLICATE OF GL3	1	X						MAD070	8287	
GL9		1015				1	X						MAD149	8286	
Received by: (Signature)						Relinquished by: (Signature)						Date / Time		Received by: (Signature)	
6/15/87 1200															
Received by: (Signature)						Relinquished by: (Signature)						Date / Time		Received by: (Signature)	
Date / Time						Date / Time						Remarks			



## INORGANICS TRAFFIC REPORT

Sample Number  
**MAD 065**

① Case Number: 7410  
Sample Site Name/Code:  
CIBA - GEIGY

② SAMPLE CONCENTRATION  
(Check One)  
☒ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX  
(Check One)

☒ Water  
☐ Soil/Sediment

④ Ship To:  
CAMBRIDGE ANALYTICAL  
BOWEN, MA

Attn: MARIE STUDEZ

Transfer  
Ship To:

⑤ Sampling Office: VERMONT

Sampling Personnel:

(Name): D. Justin

(Phone): 703-750-3000

Sampling Date:

(Begin) 6/4 (End) 6/1

⑥ Shipping Information:

Name Of Carrier:

FED EX

Date Shipped: 6/15/87

Airbill Number: 283 200 4433

⑦ Sample Description:  
(Check One)

☒ Surface Water  
☐ Ground Water  
☐ Leachate  
☐ Mixed Media  
☐ Solids  
☐ Other \_\_\_\_\_

(specify)

MATCHES ORGANIC SAMPLE NO. \_\_\_\_\_

⑧ Mark Volume Level  
On Sample Bottle

☒ Check Analysis required

☐ Total Metals

☐ Cyanide

REGIONAL OFFICE FILE COPY

Sample Number  
**MAD 066****INORGANICS TRAFFIC REPORT**① Case Number: 7410  
Sample Site Name/Code: CDA-GE/6Y

② SAMPLE CONCENTRATION

(Check One)  
☒ Low Concentration  
☐ Medium Concentration③ SAMPLE MATRIX  
(Check One)☒ Water  
☐ Soil/Sediment

④ Ship To:

CAMBRIDGE NAUTICAL  
BOSTON, MAAttn: MARIE STUBERTransfer  
Ship To:⑤ Sampling Office: VERSAR

Sampling Personnel:

(Name) D. J. Juntus(Phone) 708-750-3000

Sampling Date:

(Begin) 6/11/87 (End) 6/11/87

⑥ Shipping Information:

Name Of Carrier:

FED EXDate Shipped: 6/15/87Airbill Number: 2832004453⑦ Sample Description:  
(Check One)☐ Surface Water  
☐ Ground Water  
☐ Leachate  
☒ Mixed Media  
☐ Solids  
☐ Other \_\_\_\_\_

(specify)

⑧ Mark Volume Level  
On Sample Bottle

Check Analysis required

☒ Total Metals  
☐ CyanideMATCHES ORGANIC SAMPLE NO. AH656

REGIONAL OFFICE FILE COPY



## INORGANICS TRAFFIC REPORT

<p>① Case Number: <u>7410</u> Sample Site Name/Code: <u>CIBA-GEIGY</u></p>	<p>② SAMPLE CONCENTRATION (Check One) <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> Medium Concentration ③ SAMPLE MATRIX (Check One) <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil/Sediment</p>	<p>④ Ship To: <u>CAMBRIDGE ANALYTICAL</u> <u>BOSTON, MA</u> Attn: <u>MARIE STUDEZ</u> Transfer Ship To:</p>
<p>⑤ Sampling Office: <u>VERM</u> Sampling Personnel: (Name) <u>D. Guntz</u> (Phone) <u>703-780-3000</u> Sampling Date: (Begin) <u>6/11</u> (End) <u>6/11</u></p>	<p>⑥ Shipping Information: Name Of Carrier: <u>FED Ex</u> Date Shipped: <u>6/15/87</u> Airbill Number: <u>2832004453</u></p>	
<p>⑦ Sample Description: (Check One) <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Leachate <input type="checkbox"/> Mixed Media <input type="checkbox"/> Solids <input type="checkbox"/> Other _____ (specify) MATCHES ORGANIC SAMPLE NO. <u>A4649</u></p>	<p>⑧ Mark Volume Level On Sample Bottle <input checked="" type="checkbox"/> Check Analysis required <input type="checkbox"/> Total Metals <input type="checkbox"/> Cyanide</p>	

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## INORGANICS TRAFFIC REPORT

MAD 067

① Case Number: 7410

Sample Site Name/Code:

CDA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☒

Low Concentration

☐

Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒

Water

☐

Soil/Sediment

④ Ship To:

CAMBRIDGE ANALYTICAL  
BOSTON, MAAttn: MARE STUER

Transfer

Ship To:

⑤ Sampling Office: VERAR

Sampling Personnel:

(Name): D. J. J. J.(Phone): 703-750-3000

Sampling Date:

(Begin): 6/4(End): 6/4

⑥ Shipping Information:

Name Of Carrier:

FED EXDate Shipped: 6/15/87Airbill Number: 283 200 4453

⑦ Sample Description:

(Check One)

☒

Surface Water

☐

Ground Water

☐

Leachate

☐

Mixed Media

☐

Solids

☐

Other

(specify)

ATL647

⑧ Mark Volume Level

On Sample Bottle

☒

Check Analysis required

☒

Total Metals

☐

Cyanide

MATCHES ORGANIC SAMPLE NO.

REGIONAL OFFICE FILE COPY

Sample Number  
**MAD 068****INORGANICS TRAFFIC REPORT**

<b>① Case Number:</b> <u>7410</u> <b>Sample Site Name/Code:</b> <u>CIBA-GEIGY</u>	<b>② SAMPLE CONCENTRATION</b> (Check One) <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> Medium Concentration <b>③ SAMPLE MATRIX</b> (Check One) <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil/Sediment	<b>④ Ship To:</b> <u>CAMBRIDGE ANALYTICAL</u> <u>BOSTON, MA</u> <b>Attn:</b> <u>MARIE STUDER</u> <b>Transfer</b> <b>Ship To:</b>
<b>⑤ Sampling Office:</b> <u>VERSAR</u> <b>Sampling Personnel:</b> (Name) <u>D. Juntis</u> (Phone) <u>783-750-3000</u> <b>Sampling Date:</b> (Begin) <u>6/11</u> (End) <u>6/11</u>	<b>⑥ Shipping Information:</b> <b>Name Of Carrier:</b> <u>FED EX</u> <b>Date Shipped:</b> <u>6/15/87</u> <b>Airbill Number:</b> <u>2832004453</u>	
<b>⑦ Sample Description:</b> (Check One) <input checked="" type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Leachate <input type="checkbox"/> Mixed Media <input type="checkbox"/> Solids <input type="checkbox"/> Other _____ (specify) <b>MATCHES ORGANIC SAMPLE NO.</b> <u>AH648</u>	<b>⑧ Mark Volume Level</b> <b>On Sample Bottle</b> <input checked="" type="checkbox"/> Check Analysis required <input type="checkbox"/> Total Metals <input type="checkbox"/> Cyanide	

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**INORGANICS TRAFFIC REPORT**

① Case Number: 7410  
Sample Site Name/Code: CIBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

④ Ship To:

Attn: \_\_\_\_\_

Transfer

Ship To: \_\_\_\_\_

⑤ Sampling Office: VERSAR

Sampling Personnel:

(Name) D. Justus

(Phone) 703-750-3070

Sampling Date:

(Begin) \_\_\_\_\_

(End) \_\_\_\_\_

⑥ Shipping Information:

Name Of Carrier:

FED EX

Date Shipped: 6/15/87

Airbill Number: 2832004453

⑦ Sample Description:

(Check One)

☐ Surface Water  
☐ Ground Water  
☐ Leachate  
☒ Mixed Media  
☐ Solids  
☐ Other \_\_\_\_\_

(specify) MBS

⑧ Mark Volume Level  
On Sample Bottle

Check Analysis required

☒ Total Metals  
☐ Cyanide

MATCHES ORGANIC SAMPLE NO. MBS

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## INORGANICS TRAFFIC REPORT

① Case Number: 7410

Sample Site Name/Code

CIBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

④ Ship To:

CAMBRIDGE ANALYTICAL  
BOSTON, MAAttn: MARE STUDEA

Transfer

Ship To:

⑤ Sampling Office: VERSA

Sampling Personnel:

(Name) D. J. J. J.(Phone) 703-350-3000

Sampling Date:

(Begin) 6/2/87(End) 6/2/87

⑥ Shipping Information:

Name Of Carrier:

FED EXDate Shipped: 6/15/87Airbill Number: 283204453

⑦ Sample Description:

(Check One)

☐ Surface Water  
☐ Ground Water  
☐ Leachate  
☒ Mixed Media  
☐ Solids  
☐ Other

(specify)

MATCHES ORGANIC SAMPLE NO. A4458

⑧ Mark Volume Level

On Sample Bottle

☒ Check Analysis required☐ Total Metals  
☐ Cyanide

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## INORGANICS TRAFFIC REPORT

<p>① Case Number: <u>7410</u> Sample Site Name/Code: <u>CIBA-GEIGY</u></p>	<p>② SAMPLE CONCENTRATION (Check One) <input checked="" type="checkbox"/> Low Concentration <input type="checkbox"/> Medium Concentration</p> <p>③ SAMPLE MATRIX (Check One) <input checked="" type="checkbox"/> Water <input type="checkbox"/> Soil/Sediment</p>	<p>④ Ship To: <u>CAMBRIDGE ANALYTICAL</u> <u>BOSTON, MA</u></p> <p>Attn: <u>MARIE STUER</u></p> <p>Transfer Ship To:</p>
<p>⑤ Sampling Office: <u>VERSAR</u> Sampling Personnel: (Name) <u>D. J. [Signature]</u> (Phone) <u>703-250-3000</u> Sampling Date: (Begin) <u>6/12</u> (End) <u>6/12</u></p>	<p>⑥ Shipping Information: Name Of Carrier: <u>FED EX</u> Date Shipped: <u>6/15/87</u> Airbill Number: <u>2838004453</u></p>	
<p>⑦ Sample Description: (Check One) <input type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Leachate <input checked="" type="checkbox"/> Mixed Media <input type="checkbox"/> Solids <input type="checkbox"/> Other _____ (specify)</p> <p>MATCHES ORGANIC SAMPLE NO. <u>AH656</u></p>	<p>⑧ Mark Volume Level On Sample Bottle Check Analysis required <input checked="" type="checkbox"/> Total Metals <input type="checkbox"/> Cyanide</p>	

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## INORGANICS TRAFFIC REPORT

① Case Number: 7410  
Sample Site Name/Code: CIBA-GEIGY

② SAMPLE CONCENTRATION  
(Check One)

☒ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX  
(Check One)

☒ Water  
☐ Soil/Sediment

④ Ship To:

CAMBRIDGE ANALYTICAL  
BOSTON, MA

Attn: MARIE STUDER

Transfer

Ship To:

⑤ Sampling Office: VERSAL

Sampling Personnel:

(Name) D. Justus

(Phone) 703-7500 3000

Sampling Date:

(Begin) 6/11 (End) 6/11

⑥ Shipping Information:

Name Of Carrier:

Fed Ex

Date Shipped: 6/15/87

Airbill Number: 283204453

⑦ Sample Description:  
(Check One)

☒ Surface Water

☐ Ground Water

☐ Leachate

☐ Mixed Media

☐ Solids

☐ Other \_\_\_\_\_ (specify) AH644

⑧ Mark Volume Level  
On Sample Bottle

☒ Check Analysis required

☒ Total Metals

☐ Cyanide

MATCHES ORGANIC SAMPLE NO. AH644

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## INORGANICS TRAFFIC REPORT

① Case Number: 7410  
Sample Site Name/Code:

CIBA - GEIGY

② SAMPLE CONCENTRATION

(Check One)

☐ Low Concentration

☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water

☐ Soil/Sediment

④ Ship To:

CAMBRIDGE ANALYTICAL  
BOSTON, MA

Attn: MARIE STUDER

Transfer

Ship To:

⑤ Sampling Office: VERSM

Sampling Personnel:

(Name) D. Justis

(Phone) 708-750-3000

Sampling Date:

(Begin) 6/1

(End) 6/11

⑥ Shipping Information:

Name Of Carrier:

FED EX

Date Shipped: 6/15/87

Airbill Number: 2832004433

⑦ Sample Description:

(Check One)

☐ Surface Water

☐ Ground Water

☐ Leachate

☒ Mixed Media

☐ Solids

☐ Other

(specify)

ARH64

MATCHES ORGANIC SAMPLE NO.

⑧ Mark Volume Level

On Sample Bottle

☒ Check Analysis required

☒ Total Metals

☐ Cyanide

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Sample Number  
**MAD 062****INORGANICS TRAFFIC REPORT**① Case Number: 7410Sample Site Name/Code: CIBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☐ Low Concentration☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water☐ Soil/Sediment

④ Ship To:

**CAMBRIDGE ANALYTICAL**  
**BOSTON, MA**Attn: **MARIE STUDER**

Transfer

Ship To:

⑤ Sampling Office: VERSAM

Sampling Personnel:

(Name) D. Smith(Phone) 703-7750-3000

Sampling Date:

(Begin) 6/11(End) 6/11

⑥ Shipping Information:

Name Of Carrier:

FED EXDate Shipped: 6/15/87Airbill Number: 2832004453

⑦ Sample Description:

(Check One)

☒ Surface Water☐ Ground Water☐ Leachate☐ Mixed Media☐ Solids☐ Other(specify) AH641

⑧ Mark Volume Level

On Sample Bottle

☒ Check Analysis required☐ Total Metals☐ CyanideMATCHES ORGANIC SAMPLE NO. AH641

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## INORGANICS TRAFFIC REPORT

① Case Number: 7410

Sample Site Name/Code:

CIBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☐ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water  
☐ Soil/Sediment

④ Ship To:

CARBRIDGE ANALYTICAL  
BOSTON, MAAttn: MARIE STUDER

Transfer

Ship To:

⑤ Sampling Office: VERSA

Sampling Personnel:

(Name) D. J. J. J.(Phone) 703-750-3000

Sampling Date:

(Begin) 6/4 (End) 6/11

⑥ Shipping Information:

Name Of Carrier:

FED EXDate Shipped: 6/15/87Airbill Number: 283 200 4453

⑦ Sample Description:

(Check One)

☒ Surface Water  
☐ Ground Water  
☐ Leachate  
☐ Mixed Media  
☐ Solids  
☐ Other \_\_\_\_\_

(specify)

MATCHES ORGANIC SAMPLE NO. AH643

⑧ Mark Volume Level

On Sample Bottle

☒ Check Analysis required☒ Total Metals  
☐ Cyanide

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## INORGANICS TRAFFIC REPORT

① Case Number: 9410

Sample Site Name/Code:

CBA-GEIGY

② SAMPLE CONCENTRATION

(Check One)

☒ Low Concentration☐ Medium Concentration

③ SAMPLE MATRIX

(Check One)

☒ Water☐ Soil/Sediment

④ Ship To:

CAMBRIDGE ANALYTICAL  
BOSTON, MAAttn: MARIE STUDEZ

Transfer

Ship To:

⑤ Sampling Office: VER SAR

Sampling Personnel:

(Name) D. G. J. J.(Phone) 703-050-3000

Sampling Date:

(Begin) 6/11(End) 6/11

⑥ Shipping Information:

Name Of Carrier:

FED EXDate Shipped: 6/15/87Airbill Number: 2532004453

⑦ Sample Description:

(Check One)

☐ Surface Water☐ Ground Water☐ Leachate☒ Mixed Media☐ Solids☐ Other

(specify)

⑧ Mark Volume Level

On Sample Bottle

☒ Check Analysis required☒ Total Metals☐ CyanideMATCHES ORGANIC SAMPLE NO. AH653

REGIONAL OFFICE FILE COPY



## INORGANICS TRAFFIC REPORT

① Case Number: 7410  
Sample Site Name/Code: CIBA-GEIGY

② SAMPLE CONCENTRATION  
(Check One)  
☒ Low Concentration  
☐ Medium Concentration

③ SAMPLE MATRIX  
(Check One)  
☒ Water  
☐ Soil/Sediment

④ Ship To:  
CAMBRIDGE ANALYTICAL  
BOSTON, MA

Attn: MARIE STUDEL

Transfer  
Ship To:

⑤ Sampling Office: VERSAL

Sampling Personnel:

(Name) D. J. J. J.

(Phone) 703-750-3000

Sampling Date:

(Begin) 6/11

(End) 6/11

⑥ Shipping Information:

Name Of Carrier:

FED EX

Date Shipped: 6/15/87

Airbill Number: 2832004453

⑦ Sample Description:  
(Check One)

☒ Surface Water  
☐ Ground Water  
☐ Leachate  
☐ Mixed Media  
☐ Solids  
☐ Other \_\_\_\_\_

(specify)

MATCHES ORGANIC SAMPLE NO. AH652

⑧ Mark Volume Level  
On Sample Bottle

☒ Check Analysis required  
☐ Total Metals  
☐ Cyanide

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## INORGANICS TRAFFIC REPORT

① Case Number: 7410  
Sample Site Name/Code:

CIBA-GEIGY

② SAMPLE CONCENTRATION  
(Check One)

☒ Low Concentration

☐ Medium Concentration

③ SAMPLE MATRIX  
(Check One)

☒ Water

☐ Soil/Sediment

④ Ship To:

CAMBRIDGE ANALYTICAL  
BOSTON, MA

Attn: MARIE STUBER

Transfer

Ship To:

⑤ Sampling Office: VERSAR

Sampling Personnel:

(Name) D. Juntus

(Phone) 703 750-3000

Sampling Date:

(Begin) 6/11 (End) 6/11

⑥ Shipping Information:

Name Of Carrier:

FED EX

Date Shipped: 6/15/87

Airbill Number: 783204453

⑦ Sample Description:  
(Check One)

☒ Surface Water

☐ Ground Water

☐ Leachate

☐ Mixed Media

☐ Solids

☐ Other \_\_\_\_\_  
(specify)

MATCHES ORGANIC SAMPLE NO. 44657

⑧ Mark Volume Level  
On Sample Bottle

☒ Check Analysis required

☐ Total Metals

☐ Cyanide

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